

FIG. 1

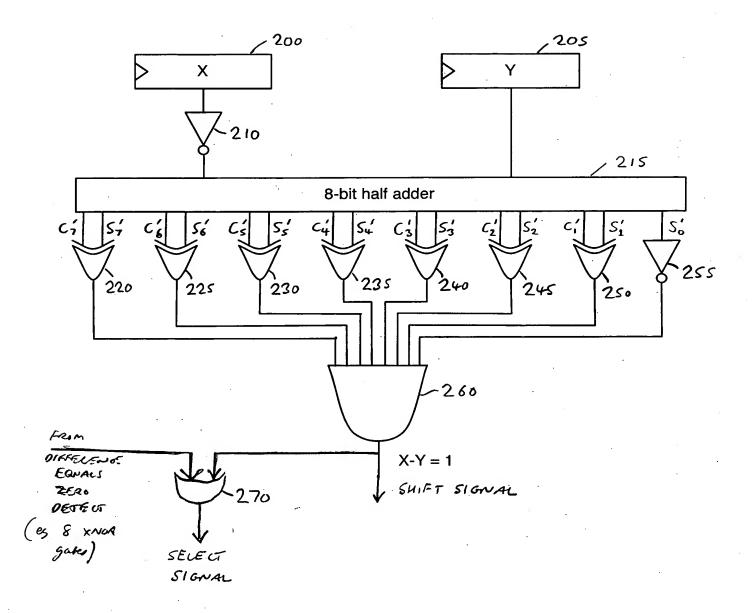
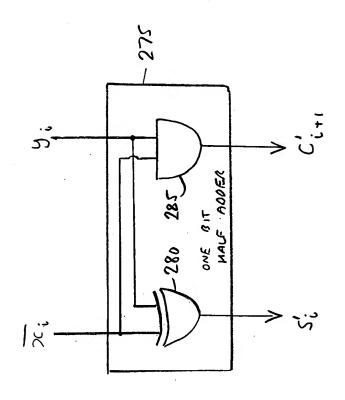
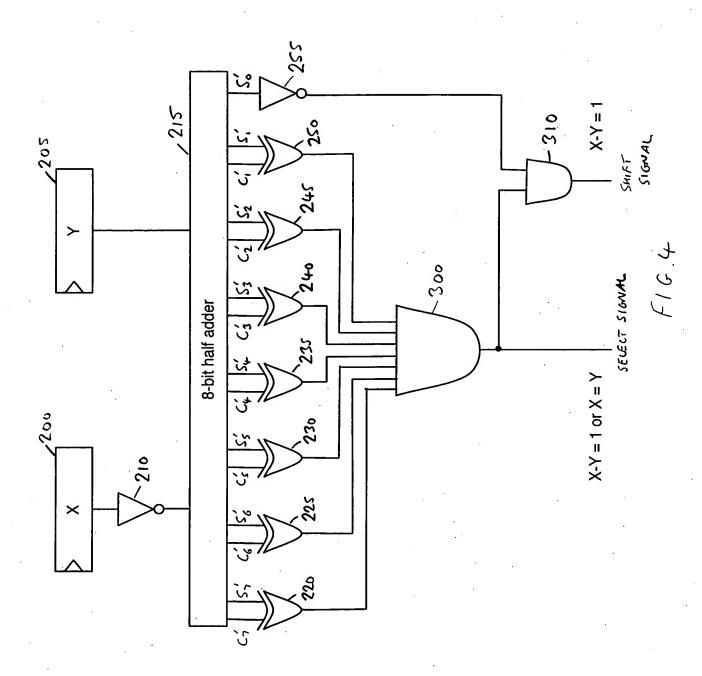


FIG. 2



F16.3



IN EACH DETECTOR LOGIC INVERT 1 EXPONENT JN IT AND ADD TO OTHER EXPONENT IN MAUF ADDER TO PRODUCE -400 INTERMEDIATE CARRY AND SUM VALLES FOR ALL BITS OF INTELMEDIATE CARRY AND SUM VALUES OTHER THAN THE LSB PERFORM THE 410 COMPUTATION FINAL Si = WITER C: XOR INTER SI INVERT LSB INTERMEDIATE SUM VALLE 430 DOES \sim FINAL S DO NOT SET SHIFT = -2SIGNAL ? ONLY SET SELECT 440 SIGNAL IF FIRST SET SHIFT SIGNAL + SEGNO EXPONENTS ARE EQUAL + SET SELECT SIGNAL

PROCESS PERFORMED

FIG. 5

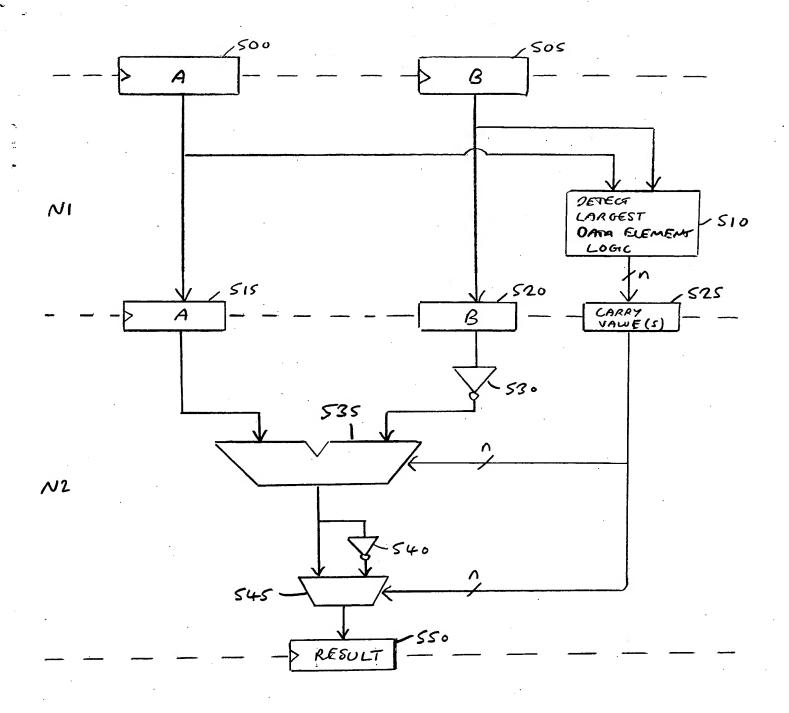


FIG. 6

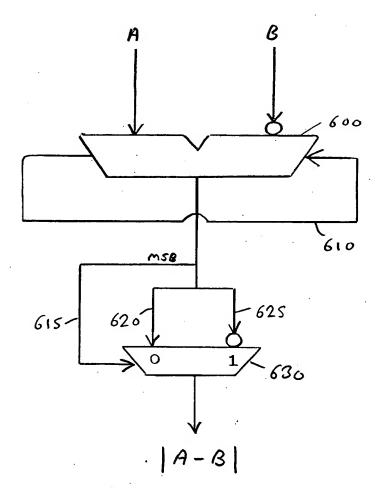


FIG. 7 (PRIOR ART)

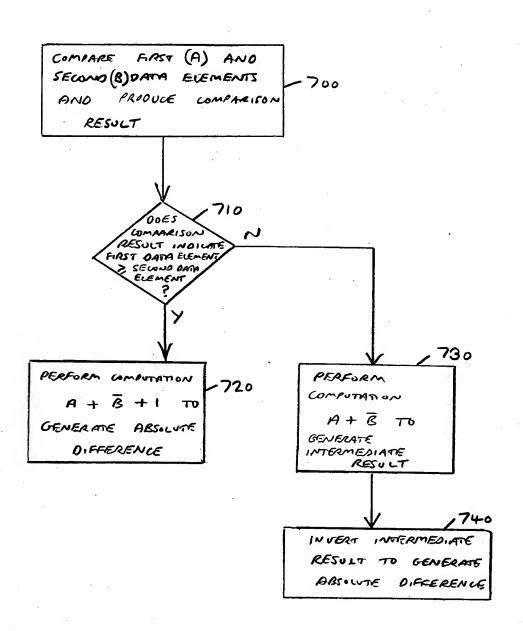


FIG. 8